



(1 of 2)

PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/801,643
		Filing Date	March 17, 2004
		First Named Inventor	James F. Kramer
		Art Unit	2123
		Examiner Name	Unassigned
		Attorney Docket Number	IMMR-055/01US
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U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DC		6,422,941	7/23/2002	Thomer et al.	
DC		6,160,489	12/12/2000	Perry et al.	
DC		5,690,582	11/25/1997	Ulrich et al.	
DC		5,575,761	11/19/1996	Hajianpour	
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
DC		JP	H2-185278		7/19/1990	Taito Corporation	
DC		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
DC		JP	H7-24147		1/27/1995	Sega Corporation	
DC		JP	H5-192449		8/3/1993	Taito Corporation	

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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
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DC		KACZMAREK et al., "Tactile Displays," <i>Virtual Environment Technologies</i> , Chap. 9, pp. 349-414.	
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DC		*Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part no. C-25502,* Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).	
DC		*Technical Manual Overhaul Instructions With Parts Breakdown, Coaxial Control Shaker Part no. C-25502,* Safe Flight Instrument Corporation, Revised 15 July 1980 (23 pages).	
DC		SCANNELL, "Taking a Joystick Ride," <i>Computer Currents</i> , Boston Edition, Vol. 9, No. 11, November 1994	
DC		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," <i>Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems</i> , Raleigh, NC, July 7-10, 1992	
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		Number	Kind Code ² (if known)		
DC	A1	6,413,229	BI	Kramer et al.	07-02-2002
	A2	6,232,891		Rosenberg	05-2001
	A3	6,131,097		Peurach et al.	10-10-2000
	A4	6,111,577		Zilles et al.	08-29-2000
	A5	6,104,379		Petrich et al.	08-2000
	A6	6,061,004		Rosenberg	05-2000
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	A8	6,028,593		Rosenberg et al.	02-22-2000
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	A18	5,785,630		Bobick et al.	07-28-1998
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	A21	5,625,576		Massie et al.	04-29-1997
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	A27	5,309,140		Everett, Jr. et al.	05-03-1994
	A28	5,299,810		Pierce et al.	04-05-1994
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	A36	5,078,152		Bond et al.	01-07-1992
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	A39	5,022,407		Horch et al.	06-11-1991
DC	A40	5,019,761		Kraft	05-28-1991

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

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		First Named Inventor	James F. Kramer et al.
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Sheet	Page 2 of 4	Attorney Docket Number	IMMR055/01US

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	A42	4,934,694		McIntosh	06-19-1990
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		Office ¹	Number ²	Kind Code ³ (if known)			
	B1		0 349 086	A1	Stork Kwant B.V.	01-03-1990	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
DC	C1	Baigrie, "Electric Control Loading – A Low Cost, High Performance Alternative," <i>Proceedings of Interservice/Industry Training Systems Conference</i> , pp. 247-254, November 6-8, 1990		
DC	C2	Iwata, "Pen-based Haptic Virtual Environment," 0-7803-1363-1/93 IEEE, pp. 287-292, 1993		
DC	C3	Russo, "The Design and Implementation of a Three Degree of Freedom Force Output Joystick," <i>MIT Libraries Archives</i> pp. 1-131, May 1990, archived 8/14/90		
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DC	C6	Burdea et al., "Distributed Virtual Force Feedback, Lecture Notes for Workshop on Force Display in Virtual Environments and its Application to Robotic Teleoperation," <i>1993 IEEE International Conference on Robotics and Automation</i> , pp. 25-44, 05/02/1993		
DC	C7	Snow et al., "Model-X Force-Reflecting-Hand-Controller," NT Control No. NPO-17851; JPL Case No. 7348, pp. 1-4 with 45 pages of attachments. 06/15/1989		

¹ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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DC	C33	Bejczy, et al., "Universal Computer Control System (UCCS) For Space Telerobots," CH2413-3/87/0000/0318501.00 1987 IEEE, 1987	
DC	C34	SCANNELL, "Taking a Joystick Ride," <i>Computer Currents</i> , Boston Edition, Vol. 9, No. 11, November 1994.	
DC	C35	"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/801,643
		Filing Date	March 17, 2004
		First Named Inventor	James F. Kramer
		Art Unit	2123
		Examiner Name	Unassigned
Sheet 1 of 1	Attorney Docket Number	IMMR-055/01US	

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DC		US2003/0048312	3/2003	Zimmerman et al	
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